

-----CODE 2-----

```
import java.util.Scanner;

public class Main
{

    public static void main(String[] args)
    {
        // Create a Scanner object to take input
        Scanner scanner = new Scanner(System.in);

        // Take the number of subjects as input
        System.out.print("Enter the number of subjects: ");
        int numSubjects = scanner.nextInt();

        // Initialize variables
        double totalMarks = 0;

        // Input marks for each subject
        for (int i = 1; i <= numSubjects; i++) {
            System.out.print("Enter marks obtained in subject " + i + " (out of 100): ");
            double marks = scanner.nextDouble();
            totalMarks += marks;
        }

        // Calculate average percentage
        double averagePercentage = totalMarks / numSubjects;

        // Determine the grade based on average percentage
        String grade = "";
        if (averagePercentage >= 90) {
```

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        grade = "A+";
    } else if (averagePercentage >= 80) {
        grade = "A";
    } else if (averagePercentage >= 70) {
        grade = "B+";
    } else if (averagePercentage >= 60) {
        grade = "B";
    } else if (averagePercentage >= 50) {
        grade = "C+";
    } else if (averagePercentage >= 40) {
        grade = "C";
    } else {
        grade = "F";
    }
}

// Display the results
System.out.println("Total Marks: " + totalMarks);
System.out.println("Average Percentage: " + averagePercentage + "%");
System.out.println("Grade: " + grade);

// Close the scanner
scanner.close();
}

}
```